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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/569,788	10/24/2006	Hideo Imaizumi	14225-095US1 F1040665WO00	6565
26211	7590	12/15/2008	EXAMINER	
FISH & RICHARDSON P.C. P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022			KALAM, ABUL	
			ART UNIT	PAPER NUMBER
			2814	
			NOTIFICATION DATE	DELIVERY MODE
			12/15/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATDOCTC@fr.com

Office Action Summary	Application No. 10/569,788	Applicant(s) IMAIZUMI ET AL.	
	Examiner Abul Kalam	Art Unit 2814	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 and 8-22 is/are pending in the application.
- 4a) Of the above claim(s) 1-6 and 8-15 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 16-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. **Claims 16-22** are rejected under 35 U.S.C. 103(a) as being unpatentable over Furukawa et al. (US 2004/0042186) in view of Oka et al. (US 5,631,609).

With respect to claim 16, Furukawa teaches a circuit device (Fig. 1) comprising:

a SAW filter (7, Fig. 1) having a hollow therein (Fig. 4);

a semiconductor element (4, Fig. 1) electrically connected to the SAW filter (Fig. 1); and

a sealing resin (16, Fig. 1) covering the SAW filter (7) and the semiconductor element (4),

wherein the SAW filter (7, Fig. 1) and the semiconductor element (4) are sealed by enclosing the sealing resin (16, Fig. 2E) from a gate in a cavity molded with a mold (¶ [0050]: it is implicit that a molded cavity with a gate is used for “resin molding”).

Thus, Furukawa discloses all the limitations of the claim with the exception of disclosing wherein: a distance between the SAW filter and the gate is longer than a distance between the semiconductor element and the gate.

However, Oka teaches wherein a distance between a first circuit element (3, Fig. 1a) and the gate (40, Fig. 4a) of a molded cavity is longer than a distance between a second circuit element (7) and the gate (40) (FIGs. 1a and 4a-4c).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of Oka and Furukawa, to form the semiconductor element closer to the gate of molded cavity during the sealing process, for the disclosed intended purpose of uniformly distributing the molding resin (Oka: col. 8, lns. 47-51).

With respect to claim 17, Oka teaches wherein the gate (40, FIG. 4a) is positioned at an edge in a lengthwise region of the sealing resin (FIGs. 4a-4c), and the first circuit element (3, FIG. 1a) is disposed in a vicinity of the edge opposed to the gate (40, FIG. 4a).

With respect to claim 18, Furukawa teaches wherein the semiconductor element (4, Fig. 1) is among a plurality of semiconductor elements (4, Fig. 6), wherein the plurality of semiconductor elements are disposed in a vicinity of a central area of the sealing resin, and the SAW filter (7) is disposed in a more peripheral area than the semiconductor elements (4).

With respect to claim 19, Furukawa teaches wherein the semiconductor element is used for processing information associated with a video signal (¶ [0014]).

With respect to claim 20, Furukawa teaches wherein any one of the SAW filter (7, Fig. 1) and the semiconductor element (4) is connected to any one of a first lead and a second lead (3) through a fine metal wire (15, Fig. 1).

With respect to claim 21, Furukawa teaches wherein distances between SAW filter (7, Fig. 4) and individual semiconductor elements (4) of the plurality of semiconductor elements is greater than distances between each of the plurality of semiconductor elements (4, Fig. 4).

With respect to claim 22, Furukawa teaches wherein the saw filter (7, Fig. 1) is closer to a peripheral portion of the sealing resin (16) than the semiconductor element (4).

Response to Arguments

2. Applicant's arguments filed August 8, 2008, have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abul Kalam whose telephone number is (571)272-8346. The examiner can normally be reached on Monday - Friday, 9 AM - 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael M. Fahmy can be reached on 571-272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. K./
Examiner, Art Unit 2814

/Wael M Fahmy/
Supervisory Patent Examiner, Art
Unit 2814